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## Pore surface functionalization of MCM-48 mesoporous silica with tungsten and molybdenum in centers: Perspectives on catalytic peroxide activation

MS Morse, JD Bryan, S Schwarz, GD Stucky - *Chem. Mater.*, 2000 - ACS Publications

... that the metal oxo groups are predominantly comprised of **tetrahedral** and octahedral ... Mo, W, and four other metals, after normalization for metal **concentration**, measured as ... **Tungsten**, **titanium**, **zirconium**, and vanadium were grafted in a similar manner as described previously. ...

Cited by 47 - Related articles - BL Direct - All 4 versions

## Determination of Mo, W and Zr in molybdates and tungstates of zirconium and titanium

F Monroy-Guzman, H Arnola, I Ortega ... - *Journal of ...*, 2007 - akademieai.com

... 4. **Concentration** of Mo in **titanium** tungstate gels as a function of the addition order Ti-W, the pH of ... 5. **Tungsten** species present in aqueous solution as a function of pH19 ... It is known that polymolybdates and polytungstates are the result of the fusion of **tetrahedral** units that form ...

Cited by 1 - Related articles - BL Direct - All 5 versions

## Tungsten catalysts

F Figueras, N Essaïem, C Feche, S ... - US Patent App. 10/ ..., 2003 - Google Patents

... compounds, character- ised in that it comprises the steps of: a) bringing the compound or composition to be desulphu- rised into contact with an oxidising agent and a solid comprising a single layer of **tetrahedral tungsten** deposited on a **zirconia** and/or **titanium** dioxide support ...

All 2 versions

## Platinum supported WO<sub>x</sub>-ZrO<sub>2</sub>: Effect of calcination temperature and tungsten loading

SR Vaudagna, SA Canavese, RA Comelli, NS ... - *Applied Catalysis A* ..., 1998 - Elsevier

... **Zirconium** hydroxide was prepared from an aqueous solution containing 11% **zirconium** oxychloride (Strem Chemicals, 99.9 ... 6 O 41 W 12 ·nH<sub>2</sub>O, (Fluka)>85% WO<sub>3</sub> ) of adequate **concentration** so as ... 2, 5 or 15 wt.% **tungsten** over the dried hydroxide were added by the incipient ...

Cited by 51 - Related articles - All 4 versions

## Modeling the process of redistribution of alloying elements in **titanium** alloys in interaction with media

VN Fedirko - *Materials Science*, 1988 - Springer

... Since the structure and dimensions of the octahedral and **tetrahedral** voids and also the ... as a result of the higher solubility of tin in a-titanium, the **concentration** of titanium ... The main alloying elements of the pseudo-Q-alloys are aluminum, manganese, molybdenum, and **tungsten**. ...

Related articles - All 4 versions

## Bifunctional oxidative and acidic **titanium** silicalite (TS-1) catalysts for one pot synthesis of 1, 2 octanediol from 1-octene

D Prasetyoko - 2006 - eprints.utm.my

... 50 51 53 54 56 62 65 5 **TUNGSTEN** OXIDE ON THE SURFACE OF **TITANIUM** SILICALITE 5.1 Introduction ... samples 37 3.6 The relationships between **concentration** of **titanium** in the **tetrahedral** coordination (peak at 215 nm) and amount of **titanium** in the initial gel (%mol) 38 ...

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## Homogeneous catalysis. **Titanium** complex [Ti (Cp) 2 (CF<sub>3</sub>SO<sub>3</sub>) 2] and **zirconium** complex [Zr

2 (CF<sub>3</sub>SO<sub>3</sub>) 2THF], efficient catalysts for the Diels-Alder reactionTK Hollis, NP Robinson, B Bosnich - *Organometallics*, 1992 - ACS Publications... the CBr and CBrBr bond angles are significantly smaller than **tetrahedral** angles, implying ... A number of low-valent molybdenum and **tungsten** nitrosyl c ~ mplexes ~ ~ ~ have been found ... by extrapolating a second-order plot obtained under the same **concentration**, solvent, and ...WO<sub>x</sub>/TiO<sub>2</sub> Catalysts via Titania Nanotubes for the Oxidation of DibenzothiopheneMA Cortes-Jacome, M Morales, CA Chavez, LF ... - *Chem. Mater.*, 2007 - ACS Publications... However, it is important to mention that **tungsten** coordination changes from octahedral to **tetrahedral** with the ... Also, the **concentration** of these white **tungsten** nanoparticles on the surface of nanotubular support was smaller than that observed in anatase particles from a ...

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## Method for producing articles by chemical vapor deposition and the articles produced therefrom

WL Mowrey, SP Young, TR Anthony, DW Woodruff, CD ... - [freepatentsonline.com](http://freepatentsonline.com)... exclusively of covalently bonded, aliphatic sp<sup>3</sup> hybridized carbon atoms arranged **tetrahedrally** with a ... as passing the second mixture over a non-reactive filament, such as **tungsten**, sufficiently heated ... a mixture in equal parts of hydrochloric acid having a **concentration** of about ...

Cached

## Method for producing articles by chemical vapor deposition

TR Anthony, JF Fleischer - US Patent 5,175,929, 1993 - Google Patents

... covalently bonded, aliphatic sp<sup>3</sup> hybridized carbon atoms 25 arranged **tetrahedrally** with a ... 71% by weight and hydro-fluoric acid having a **concentration** of about ... group consisting of carbon, silicon, germanium, boron, aluminum, **zirconium**, **tungsten**, **titanium** and molybdenum ...

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